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## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/520,470  
Source: Per  
Date Processed by STIC: 1/26/06

***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/520,470

TIME: 11:44:32

Input Set : A:\2923-673.txt

Output Set: N:\CRF4\01262006\J520470.raw

3 <110> APPLICANT: Tuschl, Thomas  
 4       Martinez, Javier  
 5       Patkaniowska, Agnieszka  
 6       Urlaub, Henning  
 7       Luehrmann, Reinhard  
 9 <120> TITLE OF INVENTION: RNA-Interference by Single-Stranded RNA Molecules  
 11 <130> FILE REFERENCE: 2923-673  
 13 <140> CURRENT APPLICATION NUMBER: 10/520,470  
 14 <141> CURRENT FILING DATE: 2005-01-07  
 16 <150> PRIOR APPLICATION NUMBER: EP 02015532.1  
 17 <151> PRIOR FILING DATE: 2002-07-10  
 19 <150> PRIOR APPLICATION NUMBER: EP 02018906.4  
 20 <151> PRIOR FILING DATE: 2002-08-23  
 22 <150> PRIOR APPLICATION NUMBER: PCT/EP03/007516  
 23 <151> PRIOR FILING DATE: 2003-07-10  
 25 <160> NUMBER OF SEQ ID NOS: 115  
 27 <170> SOFTWARE: PatentIn version 3.3  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 15  
 31 <212> TYPE: RNA  
 32 <213> ORGANISM: Homo sapiens  
 35 <220> FEATURE:  
 36 <221> NAME/KEY: misc\_feature  
 37 <223> OTHER INFORMATION: HeLa S100  
 38       antisense siRNA (5'-3')  
 40 <400> SEQUENCE: 1  
 41 ucgaaguauu ccgcg  
 44 <210> SEQ ID NO: 2  
 45 <211> LENGTH: 21  
 46 <212> TYPE: RNA  
 47 <213> ORGANISM: Homo sapiens  
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 51 <221> NAME/KEY: misc\_feature  
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 56 ucgaaguauu ccgcguacgu g  
 59 <210> SEQ ID NO: 3  
 60 <211> LENGTH: 25  
 61 <212> TYPE: RNA  
 62 <213> ORGANISM: Homo sapiens  
 65 <220> FEATURE:  
 66 <221> NAME/KEY: misc\_feature

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68     antisense sirNA (5'-3')
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77 <213> ORGANISM: Homo sapiens
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81 <221> NAME/KEY: misc_feature
82 <223> OTHER INFORMATION: HeLa S100
83     antisense sirNA (5'-3')
85 <400> SEQUENCE: 4
86 ucgaaguauu ccgcguacgu gauguuc            27
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90 <211> LENGTH: 29
91 <212> TYPE: RNA
92 <213> ORGANISM: Homo sapiens
95 <220> FEATURE:
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97 <223> OTHER INFORMATION: HeLa S100
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107 <213> ORGANISM: Homo sapiens
110 <220> FEATURE:
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112 <223> OTHER INFORMATION: HeLa S100
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115 <400> SEQUENCE: 6
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121 <212> TYPE: RNA
122 <213> ORGANISM: Homo sapiens
125 <220> FEATURE:
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127 <223> OTHER INFORMATION: HeLa S100
128     antisense sirNA (5'-3')
130 <400> SEQUENCE: 7
131 ucgaaguauu ccgcguacgu g                21
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135 <211> LENGTH: 25
136 <212> TYPE: RNA
137 <213> ORGANISM: Homo sapiens
140 <220> FEATURE:

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202 <222> LOCATION: (1)..(21)
203 <223> OTHER INFORMATION: RNA/DNA hybrid
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <223> OTHER INFORMATION: HeLa S100
208     antisense sirNA (5'-3')
210 <220> FEATURE:
211 <221> NAME/KEY: misc_feature

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Input Set : A:\2923-673.txt

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213 <223> OTHER INFORMATION: n = 2'-deoxythymidine
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218 <223> OTHER INFORMATION: n = 2'-deoxyguanosine
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227 <213> ORGANISM: Homo sapiens
230 <220> FEATURE:
231 <221> NAME/KEY: misc_feature
232 <223> OTHER INFORMATION: HeLa S100
233     antisense siRNA (5'-3')
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236 ucgaaguauu ccgcguacgu u 21
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240 <211> LENGTH: 21
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242 <213> ORGANISM: Homo sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (1)..(21)
248 <223> OTHER INFORMATION: RNA/DNA hybrid
250 <220> FEATURE:
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253     antisense siRNA (5'-3')
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256 <221> NAME/KEY: misc_feature
257 <222> LOCATION: (20)..(21)
258 <223> OTHER INFORMATION: n = 2'-deoxythymidine
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266 <212> TYPE: RNA
267 <213> ORGANISM: Homo sapiens
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272 <223> OTHER INFORMATION: HeLa S100
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275 <400> SEQUENCE: 15
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279 <210> SEQ ID NO: 16
280 <211> LENGTH: 21
281 <212> TYPE: DNA

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Input Set : A:\2923-673.txt

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282 <213> ORGANISM: Homo sapiens
285 <220> FEATURE:
286 <221> NAME/KEY: misc_feature
287 <222> LOCATION: (1)..(21)
288 <223> OTHER INFORMATION: RNA/DNA hybrid
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292 <223> OTHER INFORMATION: HeLa S100 cells
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295 <220> FEATURE:
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297 <222> LOCATION: (20)..(20)
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302 <222> LOCATION: (21)..(21)
303 <223> OTHER INFORMATION: n = 2'-deoxyguanosine
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312 <213> ORGANISM: Homo sapiens
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317 <223> OTHER INFORMATION: HeLa S100
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326 <212> TYPE: DNA
327 <213> ORGANISM: Homo sapiens
330 <220> FEATURE:
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332 <222> LOCATION: (1)..(21)
333 <223> OTHER INFORMATION: RNA/DNA hybrid
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342 <222> LOCATION: (20)..(21)
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350 <211> LENGTH: 21

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/520,470

DATE: 01/26/2006  
TIME: 11:44:33

Input Set : A:\2923-673.txt  
Output Set: N:\CRF4\01262006\J520470.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:12; N Pos. 20,21  
Seq#:14; N Pos. 20,21  
Seq#:16; N Pos. 20,21  
Seq#:18; N Pos. 20,21  
Seq#:22; N Pos. 20,21  
Seq#:26; N Pos. 20,21  
Seq#:27; N Pos. 1  
Seq#:28; N Pos. 1  
Seq#:29; N Pos. 1  
Seq#:30; N Pos. 1,20,21  
Seq#:31; N Pos. 1,20,21  
Seq#:32; N Pos. 1,20,21  
Seq#:33; N Pos. 1,20,21

## VERIFICATION SUMMARY

DATE: 01/26/2006

PATENT APPLICATION: US/10/520,470

TIME: 11:44:33

Input Set : A:\2923-673.txt

Output Set: N:\CRF4\01262006\J520470.raw

L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0  
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
L:491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0  
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0  
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:3387 M:283 W: Missing Blank Line separator, <220> field identifier